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L9: Entry 1 of 65

File: USPT

Apr 13, 2004

DOCUMENT-IDENTIFIER: US 6720014 B1

TITLE: Phytase-containing foodstuffs and methods of making and using them

Detailed Description Text (264):

One means for isolating a nucleic acid molecule encoding a phytase enzyme is to probe a genomic gene library with a natural or artificially designed probe using art recognized procedures (see, e.g. Ausubel et al., supra). It is appreciated to one skilled in the art that SEQ ID NO:1, or fragments thereof (comprising at least 15 contiguous nucleotides), is a particularly useful probe. Other particular useful probes for this purpose are hybridizable fragments to the sequences of SEQ ID NO:1 (i.e., comprising at least 15 contiguous nucleotides).

Detailed Description Text (276):

Antibodies generated against the enzyme of the present invention may be used in screening for similar enzymes from other organisms and samples. Such screening techniques are known in the art. Antibodies may also be employed as a probe to screen gene libraries generated from this or other organisms to identify this or cross reactive activities.

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L9: Entry 12 of 65

File: USPT

Jul 2, 2002

DOCUMENT-IDENTIFIER: US 6413721 B1

TITLE: Methods of isolating common and specific antigens from excretory-secretory products of protostrongylidae

Detailed Description Text (38):

The antigen-encoding genes of the present invention can be isolated using standard techniques, well known in the art. For example, gene libraries can be constructed and the resulting clones used to transform an appropriate host cell. Colonies can be pooled and screened using polyclonal serum or monoclonal antibodies to the *P. tenuis* or *E. cervi* antigen in question. As described in the Examples, cDNA clones can be prepared from mRNA of the parasite and these clones used to produce polypeptides which can be screened for their reactivity with antibodies. Both common and *E. cervi*- or *P. tenuis*-specific clones can be identified this way. Antigen-encoding genes of between about 500 and about 1,500 base pairs in size have been identified (see, Example 3).

Detailed Description Text (39):

Alternatively, once the amino acid sequences are determined, oligonucleotide probes which contain the codons for a portion of the determined amino acid sequences can be prepared and used to screen genomic or cDNA libraries for genes encoding the subject proteins. The basic strategies for preparing oligonucleotide probes and DNA libraries, as well as their screening by nucleic acid hybridization, are well known to those of ordinary skill in the art. See, e.g., DNA Cloning: Vol. 1, supra; Nucleic Acid Hybridization, supra; Oligonucleotide Synthesis, supra; Sambrook et al., supra. Once a clone from the screened library has been identified by positive hybridization, it can be confirmed by restriction enzyme analysis and DNA sequencing that the particular library insert contains a *P. tenuis* gene or a homolog thereof. The genes can then be further isolated using standard techniques and, if desired, PCR approaches or restriction enzymes employed to delete portions of the full-length sequence. Similarly, genes can be isolated directly from bacteria using known techniques, such as phenol extraction and the sequence further manipulated to produce any desired alterations. See, e.g., Sambrook et al., supra, for a description of techniques used to obtain and isolate DNA.

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☐ 1. Document ID: US 6720014 B1

L12: Entry 1 of 16

File: USPT

Apr 13, 2004

US-PAT-NO: 6720014

DOCUMENT-IDENTIFIER: US 6720014 B1

TITLE: Phytase-containing foodstuffs and methods of making and using them

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Rancho Santa Fe	CA		
Kretz; Keith A.	San Marcos	CA		

US-CL-CURRENT: 426/52; 426/53, 426/61, 426/615, 426/635, 435/18, 435/196,
435/320.1, 435/410, 435/468, 435/69.1, 536/23.2, 800/278, 800/295

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. D
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☐ 2. Document ID: US 6699654 B1

L12: Entry 2 of 16

File: USPT

Mar 2, 2004

US-PAT-NO: 6699654

DOCUMENT-IDENTIFIER: US 6699654 B1

TITLE: Antimicrobial agents diagnostic reagents, and vaccines based on unique apicomplexan parasite components

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McLeod; Rima L. W.	Chicago	IL	60637	
Roberts; Craig W.	Kirklee, Glasgow, G12 OTW Scotland			GB
Roberts; Fiona	Kirklee, Glasgow, G12 OTW Scotland			GB
Johnson; Jennifer J.	Bolingbrook	IL	60440	
Mets; Laurens	Wilmette	IL	60091	

US-CL-CURRENT: 435/4; 435/6, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 3. Document ID: US 6355472 B2

L12: Entry 3 of 16

File: USPT

Mar 12, 2002

US-PAT-NO: 6355472

DOCUMENT-IDENTIFIER: US 6355472 B2

TITLE: Method for producing nucleoside-5'-phosphate ester

DATE-ISSUED: March 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mihara; Yasuhiro	Kawasaki			JP
Utagawa; Takashi	Tokyo			JP
Yamada; Hideaki	Kyoto			JP
Asano; Yasuhisa	Toyama-ken			JP

US-CL-CURRENT: 435/252.33; 435/194, 435/196, 435/320.1, 536/23.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 4. Document ID: US 6207435 B1

L12: Entry 4 of 16

File: USPT

Mar 27, 2001

US-PAT-NO: 6207435

DOCUMENT-IDENTIFIER: US 6207435 B1

TITLE: Method for producing nucleoside-5'-phosphate ester

DATE-ISSUED: March 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mihara; Yasuhiro	Kawasaki			JP
Utagawa; Takashi	Tokyo			JP
Yamada; Hideaki	Kyoto			JP
Asano; Yasuhisa	Imizu-gun			JP

US-CL-CURRENT: 435/196; 435/194, 435/195

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 5. Document ID: US 6183740 B1

L12: Entry 5 of 16

File: USPT

Feb 6, 2001

US-PAT-NO: 6183740

DOCUMENT-IDENTIFIER: US 6183740 B1

TITLE: Recombinant bacterial phytases and uses thereof

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Rancho Santa Fe	CA		
Kretz; Keith A.	San Marcos	CA		

US-CL-CURRENT: 424/94.6; 435/196, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. De
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☐ 6. Document ID: US 6015697 A

L12: Entry 6 of 16

File: USPT

Jan 18, 2000

US-PAT-NO: 6015697

DOCUMENT-IDENTIFIER: US 6015697 A

TITLE: Method for producing nucleoside-5'-phosphate ester

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mihara; Yasuhiro	Kawasaki			JP
Utagawa; Takashi	Tokyo			JP
Yamada; Hideaki	Kyoto			JP
Asano; Yasuhisa	Toyama-ken			JP

US-CL-CURRENT: 435/87; 435/194, 435/195, 435/252.3, 435/252.33, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. De
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☐ 7. Document ID: US 6010851 A

L12: Entry 7 of 16

File: USPT

Jan 4, 2000

US-PAT-NO: 6010851

DOCUMENT-IDENTIFIER: US 6010851 A

TITLE: Method for producing nucleoside-5'-phosphate ester

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mihara; Yasuhiro	Kawasaki			JP
Utagawa; Takashi	Kawasaki			JP
Yamada; Hideaki	Kyoto			JP
Asano; Yasuhisa	Imizu-gun			JP

US-CL-CURRENT: 435/6; 536/26.6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 8. Document ID: US 5948635 A

L12: Entry 8 of 16

File: USPT

Sep 7, 1999

US-PAT-NO: 5948635

DOCUMENT-IDENTIFIER: US 5948635 A

TITLE: Totally Synthetic Affinity Reagents

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kay; Brian K	Chapel Hill	NC		
Fowlkes; Dana M.	Chapel Hill	NC		
Adey; Nils B.	Carrboro	NC		
Sparks; Andrew B.	Carrboro	NC		

US-CL-CURRENT: 435/69.1; 435/471, 435/69.7, 435/7.1, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 9. Document ID: US 5852167 A

L12: Entry 9 of 16

File: USPT

Dec 22, 1998

US-PAT-NO: 5852167

DOCUMENT-IDENTIFIER: US 5852167 A

TITLE: Totally synthetic affinity reagents

DATE-ISSUED: December 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kay; Brian K.	Chapel Hill	NC		

Adey; Nils B. Salt Lake City UT

US-CL-CURRENT: 530/300; 530/350, 530/387.1, 530/387.2, 530/388.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 10. Document ID: US 5844076 A

L12: Entry 10 of 16

File: USPT

Dec 1, 1998

US-PAT-NO: 5844076

DOCUMENT-IDENTIFIER: US 5844076 A

TITLE: Totally synthetic affinity reagents

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kay; Brian K.	Chapel Hill	NC		
Fowlkes; Dana M.	Chapel Hill	NC		

US-CL-CURRENT: 530/326

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 11. Document ID: US 5834247 A

L12: Entry 11 of 16

File: USPT

Nov 10, 1998

US-PAT-NO: 5834247

DOCUMENT-IDENTIFIER: US 5834247 A

**** See image for Certificate of Correction ****

TITLE: Modified proteins comprising controllable intervening protein sequences or their elements methods of producing same and methods for purification of a target protein comprised by a modified protein

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Comb; Donald G.	Manchester	MA		
Perler; Francine B.	Brookline	MA		
Jack; William E.	Wenham	MA		
Xu; Ming-Qun	Hamilton	MA		
Hodges; Robert A.	Norcross	GA		
Noren; Christopher J.	Boxford	MA		
Chong; Shaorong S. C.	Beverly	MA		
Adam; Eric	Beverly	MA		

Southworth; Maurice

Beverly

MA

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/69.1, 530/350, 530/402, 530/412,
530/413, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 12. Document ID: US 5767250 A

L12: Entry 12 of 16

File: USPT

Jun 16, 1998

US-PAT-NO: 5767250

DOCUMENT-IDENTIFIER: US 5767250 A

TITLE: Complexes comprising truncated CMV gH polypeptides and escort proteins

DATE-ISSUED: June 16, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Spaete; Richard	Belmont	CA		

US-CL-CURRENT: 530/395; 435/69.1, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 13. Document ID: US 5747334 A

L12: Entry 13 of 16

File: USPT

May 5, 1998

US-PAT-NO: 5747334

DOCUMENT-IDENTIFIER: US 5747334 A

TITLE: Random peptide library

DATE-ISSUED: May 5, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kay; Brian K	Chapel Hill	NC		
Fowlkes; Dana M.	Chapel Hill	NC		
Adey; Nils B.	Carrboro	NC		
Sparks; Andrew B.	Carrboro	NC		

US-CL-CURRENT: 435/320.1; 435/252.3, 435/69.7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 14. Document ID: US 5625033 A

L12: Entry 14 of 16

File: USPT

Apr 29, 1997

US-PAT-NO: 5625033

DOCUMENT-IDENTIFIER: US 5625033 A

TITLE: Totally synthetic affinity reagents

DATE-ISSUED: April 29, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kay; Brian K.	Chapel Hill	NC		
Fowlkes; Dana M.	Chapel Hill	NC		

US-CL-CURRENT: 530/324; 435/252.3, 435/320.1, 435/69.1, 435/69.7, 435/7.1, 435/7.2,
530/300, 530/350, 536/23.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 15. Document ID: US 5498538 A

L12: Entry 15 of 16

File: USPT

Mar 12, 1996

US-PAT-NO: 5498538

DOCUMENT-IDENTIFIER: US 5498538 A

**** See image for Certificate of Correction ****

TITLE: Totally synthetic affinity reagents

DATE-ISSUED: March 12, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kay; Brian K.	Chapel Hill	NC		
Fowlkes; Dana M.	Chapel Hill	NC		

US-CL-CURRENT: 435/69.1; 435/6, 435/69.7, 435/DIG.3, 435/DIG.4, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 16. Document ID: US 5474914 A

L12: Entry 16 of 16

File: USPT

Dec 12, 1995

US-PAT-NO: 5474914

DOCUMENT-IDENTIFIER: US 5474914 A

TITLE: Method of producing secreted CMV glycoprotein H

DATE-ISSUED: December 12, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Spaete; Richard	Belmont	CA		

US-CL-CURRENT: [435/69.1](#); [435/252.3](#), [435/254.1](#), [435/320.1](#), [435/69.7](#), [530/350](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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